

In the Abstract

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The invention relates to wire-stripping pliers with an automatic adaptation to various wire gauges and insulation thicknesses that has two pairs of pivotable jaws of which the jaws of the first, outer pair are configured as gripper jaws and are pivotable by means of a first jaw arm and a jaw part about a common point, and the jaws of the other, inner pair are configured as cutting jaws with blades that cut into the insulation, and with a pull rod attached to the cutter jaws and longitudinally moveable within the jaw body providing the stripping motion that is coupled with a second plier arm. ~~According to the invention, at~~ At least one sliding wedge is mounted in a recess shaped to match the sliding wedge within the first plier arm or in the jaw part, whereby a first sliding wedge facing the cutting jaws is flat and a second sliding wedge resting in the recess is so shaped that the separation between both sliding wedges at a central area of the sliding wedge diminishes toward at least one of the two sliding wedge ends. Under this configuration, opening the insulation-stripping jaws causes longitudinal displacement of the sliding wedge along with simultaneous matching of position of the sliding wedge perpendicular to the longitudinal direction that results in cutting-depth adjustment of the cutting jaws and the cutting blade attached to it.